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APPLICATION NO. FILING DATE		LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/332,271	06/11/1999		KLAUS FLORIAN SCHUEGRAF	MI22-532	2716	
21567	7590	12/21/2001				
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SUITE 1300 601 W FIRS	T AVENU	_	POMPEY, RON EVERETT			
SPOKANE, WA 992013828				ART UNIT	PAPER NUMBER	
				2812		
				DATE MAILED: 12/21/2001		

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary Examiner Ron E Pompey 2812			1 2 2 2								
Examiner Part MALLING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MALLING DATE OF THIS COMMUNICATION. Extensions of time range be available to under the provisions of 37 CPR 1.13(g), in no event, however, may a reply be timely filled The period to reply sectional down less than thing void stays, a reply within the statisticary maintainers of 18 (19 to 19 to		•	Application	on No.	Applicant(s)						
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THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be variable under the provides of 30°CR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. I NO period for reply it specified above. In the mailing of the communication of the provides of the provided of the communication of the provided provided of the provided of the communication. Publish the statistics premains (N) (MONTHS for the mailing date of this communication. Publish the provided											
2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-20 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-20 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) corected or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1 85(a). 11) The proposed drawing correction filed on is: a) approved by disapproved by the Examiner. If approved, corrected drawings are required in reply to this Office action. 12) The oath or declaration is objected to by the Examiner. Priority under 35 U.S.C. §§ 119 and 120 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in happlication No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the international Bureau (PCT Rul 7.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application). a) The translation of the foreign language provisional application has been received. 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.	THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).										
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3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 6) Other:	1) Notice	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948)	·	5) Notice of Informal I							

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DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ku et al. ("The application of ion-beam mixing, doped silicide, and rapid thermal processing self-aligned silicide technology", VLSI Technology, Systems and Applications, May 17-19, 1989, Pages 337-341).

Ku discloses the steps of:

forming a silicide layer against the polysilicon layer;

proving an impurity within the silicide layer, by ion implantation; and

providing the polysilicon layer and the silicide layer into a conductive line shape (Fig. 1, last paragraph of first column – first paragraph in column 2 of page 337 and page 340).

Ku discloses the claimed invention except for the other various methods of doping a silicide layer, besides ion implantation. It would have been an obvious matter of design choice to dope the silicide layer by any of the other claimed methods, since applicant has not disclosed that any of the methods of doping in itself solves any stated problem other than the doping of the silicide and it appears that the method of doping

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silicide is not the critical part of the invention, therefore the invention would perform

equally well with any doping method of the silicide.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Ron E Pompey whose telephone number is (703) 305-

3016. The examiner can normally be reached on 9 hour days.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, John Niebling can be reached on (703) 308-3325. The fax phone numbers

for the organization where this application or proceeding is assigned are (703) 305-3432

for regular communications and (703) 305-3432 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to the receptionist whose telephone number is (703) 308-

0956.

Ron Pompey

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December 17, 2001

John F. Niebling / Supervisory Patent Examiner Technology Center 2800 Page 3